

"Alarm Clock" Appears Today Costing Five Cents Per Copy

New Student Publication May
Be Procured From
Janitors

"TIME to Wake Up" is the theme running through the first issue of the latest student publication, "The Alarm Clock," which has been set to go off on the campus this morning. Copies may be secured for the sum of five cents from the janitors of the different buildings, and from popular book-stores and newstands around the University. According to a statement in the opening issue, the paper is to be published monthly by the Editorial Board which is made up as follows: Editor-in-Chief: Lloyd Reynolds; Associate Editors: Albert Marcus, Ragnhild Tait, Carl Gustafson; and Business Manager: R. G. Sampson.

The material contained in this copy is contributed by students, faculty members, and recent graduates of McGill; and so, as is pointed out in the editorial, since it has no financial assistance from outside the University it must stand or fall by student and faculty support.

Fills a Need

It is the avowed purpose of the Editors to provide a medium of expression both for literary effort and for thought on Canadian economics and politics. It is felt by those in charge that it is, thus, filling a much-felt need on the campus. "The Alarm Clock" is endeavouring to help us "fulfill the function of true students in all ages—the steering of a troubled population through stormy waters and critical periods into new levels of culture and civilization" in the words of the editorial.

Contributors Varied

Many well-known campus personalities are included in the list of contributors to the premier issue. These are: Professor F. E. Scott, Ewart P. Reid, Lloyd Reynolds, Howard Gibbard and B. Ferneynough. The Editors announce that further contributions will be welcomed in the form of poetry, stories, or articles which should be addressed to the Editor-in-Chief at 772 St. Lawrence St. W.

"The Alarm Clock" is the subject of the second editorial which takes up considerable space and deals with the subject quite exhaustively. "Edge Sayings" by Gibbard is a compilation of quotations from outstanding men in world affairs which fits in with the tenor of the magazine.

Articles Pointed

Articles are on a wide range of topics—straightforward and to the point. Of real local interest is the column entitled "Echoes of Vite Street" which consists of the notes taken by an Alarm Clock reporter in the course of conversation with unemployed men during the past. Articles of a political nature include "Pensees Politiques" and "The C.O.F.—A Third Political Party." "Why I Missed the Ottawa Conference" is an article in a lighter vein, while the list of more serious contributions is completed with an exposition on the "Depression Hits the Farm," and an informative discussion entitled "Power and Petitions."

The motto in the masthead, which is singularly appropriate for the first issue is "Just Around the Corner . . . What?"

Series On Jewish Thought Commences

Dr. Yehuda Kaufman Will
Consider Contributions
In Bible

NOTED contributor to Jewish thought and graduate of McGill in 1915, Dr. Yehuda Kaufman will open his series of lectures on "The Development of Jewish Thought," tonight at 8:15 in the Mount Royal Hotel. This first of five talks will be based on the Biblical Period, providing a critical analysis of ethical principles and philosophic speculation in the Bible, with special emphasis on Job, Ecclesiastes, and Proverbs, referred to as the Books of Wisdom.

Since Dr. Kaufman is engaged at present travelling throughout the United States and Canada on a lecture tour, he has come to Montreal through the request of a special committee of local Jewish citizens. Speaking for the next five weeks on Wednesday nights at the Mount Royal, Dr. Kaufman will present a survey of contributions to Jewish thought during the Biblical, Hellenistic and Talmudic, and Medieval periods and its later influences through the Kabbalistic Mysticism and through Spinoza.

Dr. Kaufman has until now specialized in educational research at first in the United States and then for a six-year period in Palestine. He has recently completed an edition of the Hebrew-English dictionary, which is considered as a thorough and scholarly work on the subject.

Treasure Island For Students On Friday

A special performance of Treasure Island will be presented in Moyse Hall on Friday night at 8:15. This play is open to all McGill students. Tickets may be obtained at the office, backstage in Moyse Hall. The admission is free.

Treasure Island is one of a series of plays which have been put on by the English Department, with the help of the Department of Extramural Relations. It has been presented to the public on four occasions in the past year, when it proved very successful. It will be presented to the public for the last time on Saturday, January 14, at 3 p.m. These plays are put on with a double purpose. Firstly, as a means of amusement to the children, and secondly as a means of training the students in all departments of theatricals.

Papers Presented On Medical Topics

Nichols and Watson Addressed
Oslor Society
Last Night

SIR WILLIAM LAUDED

First Meeting of New Year
Held in Oslor
Library

"Oslor and Books" was the subject of a paper presented to the Oslor Society last night by John V. V. Nichols, Professor T. A. Whinnell, the founder of the Society, and Professor C. P. Howard were present at the meeting, which was held in the library of his famous namesake, Sir William Oslor.

Mr. Nichols' paper traced the beginning of Sir William's desire and love of books from his contact with the Rev. W. A. Johnson, founder and Warden of Trinity College at Weston, Ontario, where he was in attendance. Later while in Montreal at McGill, he acquired some of his earliest volumes which are now in the Oslor Library.

Comments on Oslor

When Oslor left McGill, he left books with his many friends, such as his desire to share his love. Likewise when he left Baltimore to accept the Chair of Medicine at Oxford, his collection was again distributed. While at Oxford the true Oslor Library was formed, in all, 7,000 volumes.

In 1919 Sir William Oslor began to organize his library, a task from which death took him. However, according to his wishes, the people he desired, among them Dr. W. W. Francis, finished the plan after his death.

The Oslor collection is more than a library; it is the interpretation of a personality. It reflects a gentleman's desires, depths of vision and keenness of intellect.

Watson Presents Paper

A paper by Mr. W. E. Watson on "Early Egyptian Medicine" proved to be one of the most scholarly and well-presented of the year. He paid tribute to the Oslor Library for through its excellent collection he was able to find the vast amount of material for his paper.

Egypt, the most ancient site of civilization, proves to be the origin of medicine, for where man lives the art of medicine, for where man lives the art (Continued on page three)

Hart House String Quartette To Play

Musicians Will Be Heard By
High School Students
Here Today

The Hart House String Quartette will again appear in Montreal at 3 p.m. today, when they will play for the students of the Montreal High School.

The Quartette is composed of Geza Kress, first violin, Harry Adaskin, second violin, Milton Blackstone viola, and Boris Hambourg, violoncello. This Quartette was formed in 1924, and has travelled through America, Europe and Canada, where their concerts were very favourably received.

Today they will present a program of varied selections, of which two numbers from "The Art of the Fugue" by Bach will be a part. The New York Times, in speaking of their concerts presented by the Quartette, says, "They played with the intimate understanding of seven seasons' ensemble practice quartets of Haydn, Beethoven and Brahms. These Toronto artists again gave proof of that basic scholarship which had stood them in good stead in their previous week for the less-known works of Goosen, Delli, Hindemith, Koss and Respighi."

Debaters Contended Failure Of System In Present Society

Marshall And Bourne Successfully Uphold Affirmative
Side In Debate

PROF. DAY JUDGE

Capitalism Fails To Provide
Needs of Community
As Whole

In view of the abuses of our Capitalistic system and its failure to supply the essential needs of our society, Arthur Marshall, Arts '33 and Austin Bourne, B. Sc., successfully maintained that "under the Capitalistic system the well-being of the whole community cannot be secured" in a debate held last night in the Convocation Hall of the Diocesan College. The negative side of the debate was represented by Cyril Earle and Clayton Atto, the latter being chosen by the judges as the ablest speaker of the evening.

Mr. Roland Bodger occupied the chair, and among the judges were Rev. Dr. Elson I. Rexford, principal emeritus of the College; Lt. Col. W. H. Murray and Professor Day of the Economics Dept. In his opening remarks, Marshall defined specifically the meaning of capital and of a "well-being community," and went on to show exactly what constitutes a well-being society, proving that Capitalism has not provided us with these requirements. The lack of mutual cooperation and the poor distribution of profits that is evinced in our present system are sufficient manifestations that it does not provide for the security and well-being of our community as a whole.

Initiative Offered

The first speaker for the negative, Cyril Earle, based his arguments upon the facts that Capitalism offers initiative to every individual, stimulates an added interest in their respective endeavours, offers a wide choice of occupation and freedom of enterprise, all of which add to the well-being of our society. In view of these aspects of the present economic system, it is the great creative force of our Western culture and has largely been responsible for our higher and more enlightened form of civilization.

Explaining in detail the various abuses of wealth and the enormous wastes of capital on the part of the masses themselves as well as many of our large industries, A. Bourne, second speaker for the negative, claimed that our system, which is devoted wholly to the making of profits cannot be conducive to the stability and security of the community. Not only has our system failed in providing for a fairer distribution of wealth, but due to it religion, health, recreation and education are suffering greatly.

Benefits of New System

The second speaker of the negative side, Clayton Atto, maintained that the faults and defects mentioned by the affirmative side are due mainly to the abuses of our system, and not to the actual principles of it. He then pointed out advantages to be derived from a new and reformed system of Capitalism. Following a short rebuttal by the first speaker of the affirmative, the question was thrown open to the audience and was discussed by various speakers. Professor Day presented the decision of the judges to the house.

Tentative Cast Of Next Players' Club Production Chosen

THE tentative cast of the next Players' Club production, "He Who Gets Slapped," were put through their first rehearsal last night, and when questioned as to the result, Cecil West, director of the play, was in optimistic vein. The majority of those in the cast have acted in previous club productions and have gained valuable experience which will help in their interpretation of the play, which is considered as a classic in the realm of modern drama. Most of the committees have already been appointed and are busy making plans for the production.

The tentative cast is as follows:

He Thornton Grier
Conselvo Hartlet Colby
Baron Regnard Edward Piper
A Gentleman Howard Peck
Zimidia Margaret Miller
Jackson Edward Hope
Mancini Jack MacDougall
Tilly O'Reilly Hewitt
Briquet Bill Carter
Angelica Ann Armstrong
Thomas Bob McCarthy

Bound Water Found Constituting Tissues

Differs From Free Form —
Does Not Freeze At
Zero Degrees

EXPLAINS PRESSURE

Accounts For Low Resistance
Of Winter-Hardy Insects
In Summer

That some of the water present as a constituent of tissues is "bound" and so differs from water as ordinarily conceived was pointed out by M. H. F. Friedman in his address before the Biological Society yesterday afternoon. Bound water, as broadly defined, is that which will not freeze out at minus 20 degrees, and is intimately associated with the constituent cells.

Until recently it was assumed that the water which permeates throughout the organism was essentially in the same state as known in everyday life. It has lately become apparent, however, that a part of this water is so intimately associated with the lyophilic colloids as to acquire entirely different properties from those known in a purely aqueous system. This fact has been known for many years to the colloid and physical chemist, but only recently was it applied by the physiologist to biological phenomena.

Not All Water Solvent

In 1902 Overton found that a muscle swells to much less than double its initial weight when immersed in a solution of half the initial osmotic pressure. He concluded that "only part of the water found in muscles can be present as a solvent."

This principle of "bound" water is now being applied to explain the rise of the osmotic pressure in a muscle during activity. This rise is due to the production of new chemical compounds in solution. The major chemical (Continued on page four)

Darwin's Doctrines Have Acceptance As Working Hypothesis

Professor Lloyd Addresses
Literary Club on Life
Of Scientist

DILIGENT NATURALIST

Nothing New Fundamentally
In The "Origin of
Species"

"The effect of Darwin's 'Origin of Species' was profound and lasting; evolution as a doctrine, as well as the doctrine of Natural Selection and the Survival of the Fittest have become accepted, generally speaking, as a working hypothesis by the thoughtful," stated Professor F. L. Lloyd, head of the department of Botany at McGill University, last night in addressing the St. James Literary Club, at the Engineering Institute "Charles Darwin" was the topic of the lecture.

In summing up Darwin's work, Professor Lloyd quoted Mr. Allen as stating that "whether Darwin had appeared or not, thought would have progressed toward the idea of evolution; the idea of natural selection had already been formulated and fundamentally there was nothing new in the 'Origin of Species' but Darwin acted as an accelerating agency, gaining for us fifty years of progress."

Darwin's method put a tool into the hands of every work seeking fundamental principles, and in this way he rendered a service to humanity. His idea of evolution has now been popularly adopted. We have adopted it in the phase, the evolution of the bicycle, the evolution of the solar system, etc.

Darwin's Popularity

Alfred Russell Wallace had arrived at the same opinion as Darwin in the same year, 1859, and had sent Darwin his "Memoirs." But Darwin's popularity as compared with Wallace's comparative obscurity, lies in the fact that Darwin had secured an imposing array of facts from every possible field of observation. Sir Charles Lyell induced Darwin to publish his book prior to Wallace's "Memoirs."

After graduating from Cambridge in 1831 with the degree of Doctor of Medicine, Darwin determined to travel and so increase his knowledge of natural science. For two years he travelled in foreign countries, Patagonia among others, collecting materials and observations which he embodied in his "Origin of Species." On his return to England in 1836, he settled down in his country home to devote himself to this work, which occupied twenty years, finally appearing in 1859. His work was made doubly hard from the fact that he was in ill health during these years.

Idea of "Origin of Species"

This idea, embodied in the "Origin of Species" is briefly that animals are by no means uniform and that the fit eliminate the unfit in their struggle for existence, doctrine of the Survival of the Fittest. In this category man is included. Darwin's other works are merely books elaborating some of (Continued on page five)

Noon Last Chance For Nomination Of Student President

NOON today is the zero hour by which all nominations for the position of President of the Students Society must be in the hands of the Secretary. An extra twenty-four hours is provided for members of the Faculty of Engineering to nominate a representative to the Students Executive Council. The official resignation of their representative was received by the Students Council only Monday night.

In view of the fact that the President who will be elected will hold office only for the remainder of the college year, nominees may be in either their Senior or Junior years. However the Engineering Representative must be in his Junior year since he will hold office until Jan. 1st 1934.

The Elections will be held on the twenty-third, and twenty-fifth of this month, respectively, with the Engineering position being contested first.

Miss Winnifred Kydd delivered address to the McGILL Alumnae Society.

REPRESENTED CANADA

Countries Feared To Disarm
Without Greater Territorial Security

Eight Organizations In Mock Parliament

Local Groups Send Speakers
To Mock Parliament
Tomorrow

CONVENE AT UNION

Debate Will Centre Around
Policies Of Canadian
Government

Past and present policies of the Canadian government will be discussed tomorrow night at 8 o'clock in the McGill Union, when the eight institutions forming the Montreal Debating League convene in the annual Mock Parliament. Mr. J. Sullivan, K.C., M.P., will occupy the post of speaker of the House.

The procedure calls for the reading of the speech from the Throne which will, it is expected, deal with such phases of the administration projects as unemployment relief, Ottawa trade pact, agriculture, the St. Lawrence Waterway Treaty, and stringent economies in ordinary expenditures. Questions, discussions by ministers and members, and finally a decision by vote of the House will follow.

Mr. Whitaker of the Knights of Columbus will act as Prime Minister, while Mr. Anderson will lead the Opposition forces. The McGill representatives are Ben Shecter, L. N. Poch and John O. Peacock, all of Arts '36. Shecter is in the Cabinet as Minister of Agriculture and Poch and Peacock will attack the existing government. The McGill speakers have been chosen from the Junior Debating League, entrants in the Montreal Debating League.

It was announced that Mr. D. Kruger of the Y.M.H.A. will head the Labour Party. Other speakers at the Mock Parliament have been chosen from Loyola, Y.M.H.A., Knights of Columbus, Y.M.C.A., Junior Board of Trade, Clericnians and Lions Club. Participating in the session also will be one woman speaker, Miss Bonar, who will fill the shoes of at least the rest of Miss Agnes Macphail.

An invitation has been extended to the general public to attend the session of the house tomorrow night but when the Speaker calls for the division on the Government plans, the vote will be restricted to members of the eight participating groups.

Delegates' Work At First Disarmament Conference Outlined

Miss Winnifred Kydd Delivers Address To McGILL Alumnae Society

REPRESENTED CANADA

Countries Feared To Disarm
Without Greater Territorial Security

Last night, in the R. V. C., Miss Winnifred Kydd addressed a large gathering of the McGill Alumnae Association, her subject being the work of the first World Disarmament Conference. Miss Kydd was one of the three Canadian delegates and was one of the two women representatives, the other being from the United States.

The guest speaker was introduced by Sir Arthur Currie, who mentioned the honours Miss Kydd attained as an undergraduate of this university in Economics and Political Science. Sir Arthur spoke briefly of the havoc wrought by the Great War, and the resultant feeling all over the world that peace was a necessity.

Miss Kydd confined herself to an outline of the various schools of thought which developed during the discussions at the Conference, and a summary of reasons accepted by well-known internationalists as to why the Conference accomplished so little in so long a time. After a simple but dignified speech by Mr. Henderson, the president, the Conference was thrown open to general debate.

Diversified Proposals

Sixty-two countries were represented, and the speeches made by their chief delegates expressed greatly diversified ideas. The delegates from the Union of Soviet Republics proposed an immediate and total abolition of arms. This proposal met with no enthusiasm, the general opinion being that the plan was not workable. A large and influential following backed the proposal of the delegate from France, which was contained in one word—security. He stated that countries were not prepared to disarm without territorial security, and suggested that an international standing army should be put at the disposal of the League of Nations. The third proposal was put forward by the representative of Germany, who stated that the nations should disarm down to the level set for Germany by the victorious in the World War. Not much attention was paid to the demand, and as a result, Germany withdrew from the Conference. Recently, action was taken, and the delegation returned to the Conference.

The fourth proposal, one for qualitative disarmament, was presented by the representative from the United Kingdom. The substance of his speech was that disarmament is not an act but a process, and must be achieved by stages. This was passed by all countries present except Russia, who abstained from voting, owing to the fact that she had formerly stated her approval of complete abolition of arms.

Committee Stage

The Conference met again at the end of June, to consider the Hoover (Continued on page three)

Cambridge Carries On Summer Course

Lectures Embodied Discussion
Of History And Literature

The Board of Extra-Mural Studies of Cambridge University has announced its courses of study for the coming summer session, which will continue from July 20 to August 10, 1933. The eight series of lectures are concerned mainly with current English Literature and History—social and economic developments, foreign political international organizations, and modern prose, poetry and drama.

The summer session has in recent years become a permanent feature of the Cambridge curriculum. It is designed mainly for College and University students and has attracted many from overseas. According to the announcement of the Board, "its aim is to provide education in the widest sense of the word and to offer opportunities for students to gain for themselves by residence in Cambridge and by visits to the neighbouring places of interest some understanding of the country which many may perhaps be visiting for the first time."

Further information concerning these courses may be obtained from G. F. Hickson, M. A., Board of Extra-Mural Studies, Stuart House, Cambridge, England.

Old And New Mingle In Annual

By A Member of the Annual Board

Original compromise and smart conservatism characterize the McGill Annual of 1933. An Annual may be just an account of the past year's activities or it may be a piece of artful craftsmanship. This year the book will surpass all previous publications, being such a volume as may be kept for many years, for enduring freshness will be achieved in its cover paper and contents.

Even those things which are a permanent part of every Year Book have been given new characteristics beneath the deft hand of the printer, experimenting under the command of the Managing Board. The three message pictures which appear first in the Annual have been given a setting of a cream base such as backs an engraving, and the result is a real portrait worthy of framing.

This year the book is standard, but the repetition of the same features is camouflaged by originality. Graduated pictures, that so important feature, have been given a new treatment; instead of the photographs appearing in a long strip, all the pictures which are larger than usual will be enclosed by the same individual frame.

Something extraordinary is happening to "Campus Life." This section is becoming a real album placed in the very centre of the Annual. It is a daring experiment to reproduce the black background and white writing dear to the hearts of all those who collect snap-shots.

Frames are the things! Even the executive pictures of the clubs and those of the teams have frames.

So much for the permanent set; now let us examine the novelties. At last the perfect cover! It will not spot, tear, become discolored or disintegrate. After a period of experimentation the Managing Board have returned to policy of "usefulness above all," but there is to be no loss of beauty. The keynote of the cover is smartness—black satin-finish leather such as cannot be marred by dust or cigarette ashes, ornamented only by the McGill crest. It is reminiscent of a fashionably dressed woman, sporting just that note of color which completes an ensemble.

Inland Gothic type has been chosen as it is an old type with modern characteristics—legible, severe and attractive in its simplicity. It combines the best features of the older types with the youthful spirit of the modern. In this type is concentrated the whole spirit of the book—a reverence for tradition combined with an admiration of present trends.

Two articles will be featured this year. One will be written by Profes-

American Physicians Gather At Montreal

McGill Will Participate in
Clinical Session Next
Month

For the first time in its history, the American College of Physicians will hold a clinical session in the City of Montreal. The event, which is attracting the attention of the local medical fraternity, will be held from February 6 to 10. No less than 125 Montrealeers, among which are included many from the McGill Faculty of Medicine will take part in the delivery of lectures or the conduct of clinics.

Prominent among the latter is Dr. Maude E. Abbott, curator of Medical Museum who will preside over a series of exhibits comprising mainly a collection on the clinical classification of congenital heart disease, which was meeting of the British Medical Association.

The Oslor Library at McGill is co-operating at the convention by furnishing a special display of books which has become famous in the medical world. To further commemorate the name of McGill's distinguished graduate, there will also be shown Sir William Oslor's Canadian Pathological Collection.

"Should only one person be nominated for the post at the date set for the close of nominations, the date for the closing of nominations shall be extended 48 hours and notice thereof published by him in the McGill Daily."

Varsity Tilt Takes Place On Saturday

Red And Blue Teams Expected to Stage Thrilling Struggle In Toronto

QUEEN CITY SQUAD RATED VERY HIGHLY

WHEN the Redmen invade Toronto next Saturday for their scheduled game with the Blue team they will face one of the best teams that the University of Toronto has had in several years. At that the Torontonians will be without the services of several of their players who showed up well in their recent trip across the border, where their most important achievement was an 8-1 defeat of Harvard. A thrilling struggle is anticipated as the McGill team is at its peak and is rated at present as one of the best teams locally.

Having lost only two games all season and these two Canadians in the Senior Group, Bobby Bell's squad looks to have the necessary class to merit the call in Saturday's game but the dapper doctor is taking no chances and is working his team carefully in preparation for the tilt. His biggest worry at present is getting Gordie Crutchfield back into shape so that he can operate along the right boards with his usual devastating effect. "Little Crutch" is nursing a badly bruised shoulder, which he injured against Harvard and further aggravated in later games. He is expected out to practice on Thursday, however, and every effort will be made to have him in condition for the Queen City invasion.

Crutchfields to Play
Both Nels and Gordie Crutchfield will be available for Intercollegiate play this year for the first time since entering McGill. Frank Shaughnessy's ineffectuality is a serious blow to the Redmen's newly developed and highly effective defence. Johnny Riddell and Nels Crutchfield will probably share the duties along with Gordie Melkie-John on the Red rear-guard.

Varsity will be without the services of Phil Jeffrey, who starred against Harvard and also Keith and Maundrell. Don Smille is Varsity's big threat and is considered one of the best amateurs in Canada at the present time. He is a smart defenceman and a powerful scoring threat. Teamed with Dewar Smille completes a veteran back division that will be hard to beat. Frank Shipp has been performing sensationally in the Blue cage and promises to be right in form for the McGillmen.

No Senior Group Game
There is no game scheduled in the Senior Group for the Bellmen tonight and they will get a well-earned rest. Their lead in the league will probably be overcome and it is expected that Royals and Canadians will enter into a three cornered tie with the Red team as both are expected to down their opposition without much trouble. The next McGill home game is billed for January 18, when they oppose Vics.

Suffers Injury



GEORGE FAULKNER, stellar member of the senior hoop squad who is out with a broken finger.

Two Basket Tilts Billed For Saturday

Several Changes In Intercollegiate And City League Line-Ups

HAMMOND TURNS OUT

Both the Intercollegiate and Senior City basketball squads are scheduled for games on Saturday night at the M. H. S. gym. In the first game of the evening the City Leaguers meet the strong Sun Life quintette in a game that should prove an excellent encounter. The second game brings the Top Notch squad and the Red Intercollegiate five. The Top Notch team is new to competition in senior company but can be counted on to give the Red team a hard battle. Luke Bannon will referee both games.

Several changes have taken place in the personnel of the squads due to injuries and for other reasons. George Faulkner, veteran of many campaigns, is out due to a broken finger. His loss for even a few games will be severely felt. Don Young, Carvel Hammond and Condit have all reported for practices and will be ready for action in the approaching encounters. Weber is now lined up with the City League squad and his presence will do much to strengthen that five.

Pat Moore has been forced to relinquish his place on the squad due to the pressure of studies but his place will be filled by either Lee or Ross. With the first Intercollegiate game scheduled for January 27th, in Montreal, the squad is hard at work with the determination to keep the title at McGill.

Y.M.C.A. To Stage Boxing Meet Before Interfaculty Bouts

McGill Fighters Will Take Part in Programme On January 27

START ROADWORK

AN important boxing meet which will provide an excellent tune-up for McGill boxers in practically every weight will be staged by the Central Y.M.C.A. in their Drummond street gymnasium on Friday, January 27. The Tournament is being sanctioned by the A.A.U. of C.

This meet, coming shortly before the Interfaculty Meet, which is scheduled for February fourth and the Intercollegiate which will be held on the 17th and 18th of February provides a fine chance for McGill boxers to gain some experience and condition before competing in these meets. Red boxers will be pitted against some of Montreal's best amateur fighters and should provide plenty of action. The McGill boys picked for this meet are the most likely candidates to represent the college in the Intercollegiate B.W. and F. meet.

Additional Bouts Needed
Coach Bert Light claims that at least three such meets are absolutely necessary both for experience and conditioning before the Queens and Varsity squads arrive and will arrange to have his proteges compete in local meets for this purpose. In this way they should gain that additional ring craft so necessary against the fighters from both the Limestone and Queen Cities.

Commencing next week road work will be made a part of the regular routine. Work at the Field House is still being carried on. At present Hugh MacGregor is leading in points for Bert Light's trophy with Vaughn Corbett close behind him. One week from next Saturday the first eliminations will be held in the Union.

Matches Announced
The following McGill men will take part in the meet on the 27th:
115 lbs.—Southwood vs. Powell, Belding-A.A.A., Jr. City Champ.
118 lbs.—Bercowitz vs. Gervais, Belding-A.A.A., Jr. City Champ.
126 lbs.—Fyshe vs. Hay, O.N.R. Tannanbaum vs. Pilote, St. Zolique A.A.
135 lbs.—MacGregor vs. Tasse, St. Zolique A.A., City Champ.
147 lbs.—Johnson vs. Gardner, Y.M.C.A.
160 lbs.—MacLennan vs. Murphy, Y.M.C.A.
Corbett vs. Ashton, St. Albans.
175 lbs.—Gilbert vs. Osborne, Univ. Sett.
MacGregor vs. Bray, Y.M.C.A.

In addition there will also be wrestling bouts, the names of the participants to be announced later.

SPORTS NOTICES

R.V.C. HOCKEY

The usual R.V.C. hockey practice will be held in the Mt. Royal this afternoon at 2 o'clock. The position of goalie is still vacant and girls interested in playing are asked to turn out. Will the following players please report: Grant, Stevenson, Werner, McKinnon, Hughes, Walbridge, Nicholson, Halpeney, McCuagh, Chadwick, Dawson, Howard, Vissenger, Huskins, Aikman, Dunn, Boyd, Goulding, Tait.

WRESTLING

The wrestling class will be held every afternoon from now on, starting at 5:15 p.m., each day except Saturday. It is advisable for all men to practice at least three times a week, in order that their condition will permit them to work at top speed for ten minutes or more as the meet will be held at McGill in six weeks' time.

RE-INSTATEMENT

E. R. Henderson, Arts 4.

SUSPENSION

W. E. Grindley, Commerce 3.

INTERFACULTY AND INTERCLASS HOCKEY

Will all the managers hand in their game reports to Doctor Lamb's Office on the day following the game. If this is not done the winning team will forfeit the game.

ARTS '34 HOCKEY

Will all interested in representing the class in hockey please be on hand for Friday's game against Eng. III at 4:00 p.m. Members of last year's team are particularly requested to turn out. A goal tender is needed badly and anyone who plays this position is asked to report without fail.

ATTENTION ARTS '34

There will be a class basketball game in the M.H.S. gym. at 6:00 p.m., Friday, January 13. The following are asked to be on hand: Tait, Mitchell, Manion, Goldenberg, Sharkey, Kuneilus, Wanless, Levin. A win means a chance in the play-offs so don't fail to show up.

R.V.C. OUTDOOR ACTIVITIES

Students who wish to substitute skiing, skating or riding for an indoor class must take their outdoor work the

Star Player Returns To Game



DON YOUNG veteran of many seasons play with McGill rugby and basketball squads who has made his appearance with the intercollegiate team once more.

The Art of Self Defence

By Coach Bert Light

BLOW NO. 5

The "Right Cross"

Right Cross Very Effective

THE "RIGHT CROSS" when delivered with proper action is undoubtedly the most wicked blow in the game. This is mainly because the strength and swing of the whole body is used when bringing the blow into motion and without having to "telegraph" the punch. Thus it is very potent and is widely known as the most effective sleep producing blow. It is generally held in reserve by the experienced exponent of the art, who waits for a chance to slip it over fast for a "K.O."

Shoulder Drive Important

LET us assume our usual, proper, "on guard" position, bringing in to play again "the walls" mentioned in discussing No. 1 blow. The imaginary "walls" are the width of your shoulders. The elbows are close to the sides, the left shoulder well forward and right shoulder well back making the front of the body face the right wall, which is the correct position for shooting across the smashing right hand punch. Now, with a tape planned from one wall to the other in exact position in line with the left shoulder, let us first of all with a slow motion action bring the right shoulder forward until it touches this tape. In this movement alone your right shoulder (from where the body of the punch is derived) has already travelled an average distance of two feet, which is just "on your mark" position, ready to travel at least another foot to say nothing of the extra distance of your straight arm. Study this action before a mirror and figure out for yourself just why the "right cross" is the most perfect of all blows when correctly delivered.

ASSUMING proper stance, get set, ready to try this No. 5 on your opponent who is facing you. You are both "on guard" between "the walls," your arms moving as before in rotational manner, left arm slightly extended and the right cocked in close to the side guarding the chin. Your opponent shoots across a vicious straight left to your head and you are not quick enough to duck fast—to the right a few inches would be sufficient—otherwise you will simply bump your head on this wall. Again his tantalizing left jab comes across, this time you are gaining confidence in yourself and block the blow with the palm of your right hand. Your opponent is too consistent with his lefts and it is now your turn to retaliate. Sparring for an opening and keeping your right hand high around the chin, hook fast with your left which is extended to the fore, not necessarily hard. Just bend the elbow slightly and at the same time throw it upward to get the proper hook. Short swing it fast into his body. Take a chance but don't drop that right guard for we are now going to use it with pep. The left hook to your opponent's body will in most cases bring down his guard. Now shoot your right hand "right across" fast with your shoulder following through, simultaneously bringing up your left hand to keep guard while you drive home this smashing right to the left-hand corner of the "wall"—or, the point of your opponent's chin.

Valuable One-Two Punch

THESE two blows performed with proper timing constitute the most valuable and effective combination one-two punch in use today. At the finish don't drop your arm but bring it back into the same position fast for your opponent might again retaliate with his straight left, provided he didn't "take the count" as a result of your "Right Cross" to the chin.

same day as their indoor class and must sign the list in the Physical Education Office.

INTERMEDIATE HOCKEY

There will be a game at 1:30 p.m. this afternoon at the Loyola Rink against Adanacs. The following are requested to turn out: Tonnant, Le-tourneau, Parent, Corbett, Wilson, Tait, McDuff, Griffiths, Calder, Broom.

DENTISTRY HOCKEY

Will the following please turn out for the interfaculty game with Macdonald tonight at 6:00 p.m.: Cournoyer, Lee, Skuldigger, Gullbard, Ward, Sparks, Southwood and any others interested.

ROWING PICTURES

Pictures of the McGill Rowing Club are being shown at Loew's Theatre this week.

WOMEN'S INTERCLASS BASKETBALL

Wed. Jan. 11—Arts I vs. M.S.R.E.I. Arts III vs. Arts IV.

Football Suffers By Retirement Of Referee O'Brien

Ends Twelve Years Service In Intercollegiate Circles

THE Intercollegiate Union has suffered an irreparable loss by the resignation of Joseph B. O'Brien, dean of Canadian Football referees for the past twelve seasons. During these years, Joe as he has been familiarly called by football partisans, has refereed College games in an impartial manner as warranted the approval of everyone. His high esteem in which he is held by all amply bears out this statement. His loss will be a hard one to bear for players, officials and football fans alike.

Joe considers this decision as final and decisive. It was not made on the impulse of the moment. For three years Joe has been threatening to quit the game with which he has been so long identified. But he had been prevailed upon to remain as an active figure in football circles. His aid in installing the forward pass, the most drastic change the Canadian Football Code has suffered, was partly instrumental in its success. He believes that such active and unstinted service to rugby warrants this opportunity to sit back and watch the game from a position which he has rarely occupied,—the sidelines.

After playing two games on the half-line for the M.A.A.A. Big Four Club in the 1920 season, Joe O'Brien ended his career as a player. In 1919 he played on this same Montreal squad which won the Dominion Championship. From being an active participant as a player, Joe retained his interest by becoming a referee. Since then he has become one of the leading exponents of the rules and fundamentals of the game. He refereed for the love of the game, and it will undoubtedly feel his absence. As he himself said "there are many other referees" but the removal from the game of his intimate knowledge of it will be hard to fill again.

Papers Presented On Medical Topics

(Continued from page one)
of healing is desired. It is not strange that Imhotep, grand vizier, chief architect, and royal medical adviser to the pharaohs in 1300 B.C. should be the first known physician, deified, and the "savior" personage known in Rome as Asclepius and in Greece as Aesclepias. The Ebers Papyrus furnishes the greatest supply of information. The Egyptians recognised the relation of the heart as a pump to the pulse. Also the right ear is the entrance for the "breath of life" and the left for the "breath of death." It treats the Pathology of boils and tumours and such maladies as ophthalmia, skin infections, gastric disorders, and mastoid disease, all of which were common in the Nile Valley. Their treatments made use of purgatives, diuretics and leeching in the case of boils and tumours.

The Edwin Smith Papyrus is probably the oldest medical paper ever written. Whereas it dates to 1700 B.C. the author's original manuscripts were from a period 1500 to 2000 years earlier, and may have been written by the famous Imhotep and present the earliest known knowledge of Anatomy, Physiology and Pathology as well as treatments.

Dr. Kiang To Speak

Dr. Kiang Kang-Hu, head of the Department of Oriental Studies, will address a luncheon gathering of the Rotary Club today at 12:45 at Victoria Hall on Sherbrooke Street, Westmount.

Engineering Defeats Dentistry Decisively

Fourth Year Plumbers Hoop Squad Victorious By Score of 23-6

STANDING REVISED

YESTERDAY'S lone interclass basketball match resulted in a very decisive win for Engineering IV. They whipped Dentistry 1 23-6 and left little doubt as to the superior team on the afternoon's showing. The fourth year Engineers are now in for second place in their group, Commerce II being next with two points to their credit.

The Plumbers opened up fast and led by Harrigan managed to hang up a nine point lead by half time when the score was 11-2. Dentistry vainly attempted to stem the tide but were only able to drop in one basket during the first stanza. Engineering kept up the attack in the second frame and were never in any danger, scoring almost at will. Chennell, Harrigan and Rabinovitch did most of the scoring for the Plumbers in this half. Tomasi carried the brunt of the burden for the Dentists but was unable to hold the fast-stepping Grimsdale men down. Auni and Cournoyer were the other members of the Dentistry team to score while Duval added two points to the Engineers' total with a neat basket.

The game was handled very efficiently by Doody who had matters well in hand all the way.

Eng. IV—Duval (2), Harrigan (12), Chennell (6), Rabinovitch (3), Moore. Dent. I—Manouso, Tomasi (2), Auni (2), Cournoyer (2), Gropper.

Class Standing

A revised standing follows:

Section A				
	P	W	L	Pts
Med. III	3	3	0	6
Eng. I	3	2	1	4
Arts. II	2	0	2	0
Comm. IV	2	0	2	0
Section B				
	P	W	L	Pts
Med. I	3	2	1	4
Arts. III	3	1	2	2
Eng. II	2	0	2	0
Comm. III	1	0	1	0
Section C				
	P	W	L	Pts
Arts. IV	3	2	0	4
Med. II	3	2	1	4
Comm. I	2	1	1	2
Eng. III	3	0	3	0
Section D				
	P	W	L	Pts
Arts. I	3	3	0	6
Comm. II	3	1	2	2
Eng. IV	3	2	1	4
Dent. I	1	0	1	0

SKIS

SKI POLES — SKI HARNESS — All kinds of ski repairs — Steel edges put on skis. WHOLESALE PRICES. SWEDISH CANADIAN SKI COMPANY. 210 Queen Street. MA. 6644

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Faculty Of Engineering NOMINATIONS

Nominations for representative to the Students' Executive Council from the Faculty of Engineering are called for.

Nominees must be Undergraduates in the Junior Year of the Faculty of Engineering.

Nominations must be signed by at least 10 students of the Faculty of Engineering and in the hands of the secretary of the Students' Society by 12:00 noon on Thursday, January 12th, 1933.

Elections will be held on January 23rd, 1933.

Delegates' Work At First Disarmament Conference Outlined

(Continued from page one)

Proposals, but felt that they were too complicated for general discussion. Miss Kydd then spoke of the "committee stage," and mentioned the various committees that were formed. One of the most important was drawn up for the abolition of aggressive weapons; they could reach no answer to the question, "What constitutes an aggressive weapon?" Others were the Political Committee, the Budgetary Committee, and one for Moral Disarmament. Miss Kydd was a member of the latter, which was also known as the Educational Committee.

Slow Progress

A question which has frequently been brought up is, "Why did the Conference move so slowly?" One reason was that politics in France and Germany were at the time in a state of upheaval, owing to the elections taking place. The delegates from these two countries were recalled from the meeting in Geneva before the Conference, and were afterwards unable to speak with confidence on behalf of their people. Another reason was the

Interclass Hockey

Remaining schedule for this week is as follows:

Wed. 3-4—Com. I vs. Med. III.
4-5—Med. I vs. Com. II.
5-6—Eng. IV vs. Com. IA.
6-7—Macdonald vs. Dentistry (Interfaculty).
7-8—Com. IV vs. Med. II.
Thur. 5-6—Arts vs. Commerce (Interfaculty).
6-7—Eng. II vs. Arch.
Fri. 4-5—Arts 4 vs. Arts IA.
5-6—Law vs. Theol. (Interfac.).
6-7—Eng. III vs. Arts III.

conditions in the Far East. The Conference was forced to come to a standstill while the League of Nations discussed the Shanghai situation. A third reason was that each country was intent on solving their own problems first, and there was a feeling of nationalism instead of internationalism. There was also the difficulty of language to contend with, as each speech had to be given in three different tongues.

It is of interest to learn that the petitions handed in to the Canadian delegates were given separate consideration, along with the petitions from other countries. The meeting was followed by a reception, which enabled the members to meet the guest speakers.

Darwin's Doctrines Have Acceptance As Working Hypothesis

(Continued from page one)
the views presented in his "Origin of Species."

Charles Darwin's ancestry was distinguished but Darwin did not heed that ancestry, stated the speaker. He studied Medicine at the University of Edinburgh, but that proved very tedious to him. In his spare time he devoted himself to the study of natural science. From Edinburgh he passed to Cambridge and in 1831, at the age of twenty-two, he secured his degree.

Influenced by Humboldt
While at Edinburgh, he attended Zoology lectures but they were delivered poorly and so proved boring. While at Cambridge he attended lectures in botany which profited him in after life. After reading Humboldt's personal narrative in his College days, Darwin was determined to spend his life in the study of natural science. The collection of beetles while at Cambridge was also part of his extra curricula work, stated the speaker.

In conclusion Professor Lloyd stated that Darwin made many mistakes in the field of botany; he failed to see obvious facts, but even Darwin recognized that fact and was the first to admit it. Discussion followed.

NOTICES

All notices must be turned into the Daily Office in writing before 8.30 on the night previous to publication. Notices will not be received over the telephone.

SPECIAL SUPPLEMENTAL EXAMINATIONS
Special supplemental examinations will be held on Thursday, February 2nd, and on Friday, February 3rd, 1933. Conditions: students of the Second, Third and Fourth Years, who wish to avail themselves of this opportunity to remove their conditions, must notify the Dean's Office, in writing, of their intention not later than Wednesday, January 11th, 1933. The supplemental fee of \$10.00 for each examination must be sent with the application.

Ira A. MacKay,
Dean, Faculty of Arts and Science. (63)

NOTICE
The Black Sheep, new critical magazine, issues a call for contributions. Articles, particularly of a critical or satirical nature, short stories, and brief verses will be accepted. All contributions must be under 600 words in length. Manuscripts may be handed personally to any of the editors or mailed to The Black Sheep, care of the McGill Union. (62)

NOTICE
For rent: Large double room with fire-place. Also single room, within two minutes' walk from the Arts Bldg. Central heating system. Reasonable rate. Apply 3578 University St., or phone Harbour 1074. (62)

PHYSICAL SOCIETY
The next meeting of the Physical Society will be held in the Macdonald Physical Laboratory at 5 p.m., on Friday, Jan. 13. Speaker — Dr. John Beattie. Subject—The Ear.

LOST
One pair of men's gloves. Please leave same with Harry, Eng. Bldg.

Will the person who removed notebook and Walsley's Vol. 3 from locker room in Med. Building, Monday, return the notes at least to hall porter in Med. Building or to where he took them from. (61)

LOST BROWN FOUNTAIN PEN
Will the person who was seen to pick up a brown fountain pen with a very stub nib on Wednesday morning, Dec. 21, from magazine stand in the library of the Engineering Building, please leave same with the janitor there. (61)

LOST
Will the person who picked up a copy "Statistical Methods" by R. A. Fisher, about noon, Tuesday, Dec. 20th, in lecture room 250, of the Biological Building, please leave same with the janitor there. (61)

A white satin scarf at the "Samovar" on Saturday night. Will finder please leave same at the Union Tuck Shop and oblige the owner.

FOUND
Silver chain cuff link.
H. Davis, Electrical Dept. (61)

In the Union, Gentleman's woolen scarf. Apply to Miss Heasley. (61)

One pair of Men's brown gloves. Please leave with Harry, Engineering Building. (61)

A small sum of money was found in the Chemistry Building, in the washroom there on Jan. 8 or 9. Loser please get in touch with the Janitor of this building. (61)

"Old McGill" 1933

Will the following students have their picture taken today at the Rios Studio between nine and ten this morning, and 4.30 to 6.00 this afternoon. Please note that this is the last chance, as all pictures must be in by January 15th.

TODAY
M.S.P.E.
Clarkson, Malda.
Frazee, Margaret Isabel
French, Beryl Elizabeth
THEOLOGY
Charles M. Stewart,
Harold A. Turner
Kenneth H. Woodmark
Daniel J. Munn
Charles F. Wolff
Percy Patterson
Thomas Liggett
Donald N. MacMillan
Cecil H. Kennedy
Thomas J. Watson
Kenneth W. House
Russell C. Archer
Gilles, D. J.

TODAY
Fifth Year Medicine
Bonner, Harold C.
Dow, Ruth P.
Duncan, John A.
Dunning, Herbert A.
Itkin, Paul
Mahoney, Joseph J.
Murphy, R. G.
Ryan, Jerome J.
Nickerson, S. H.
Walner, Louis
Shandro, W. A.

R.V.C.
Brown, J. Margaret
Forbes, Jean McN.
Phelps, Frances H.
Phillips, Florence R.
Rosenbaum, Beatrice R.
Short, Constance G.
Steinberg, Estelle H.
Hartley, Edith F.
MacGregor, Theo. M.
Harvey, Beatrice E. M.
MacLeod, Margaret I.

FACULTY OF ENGINEERING
TODAY
Beadie, Wm. M.
Boyer, Marc
Burlison, H. S.
Clarke, G. F.
Cowie, Frederick W.
Craig, Carleton
Elkin, Eugene M.
Esmond, Douglas C.
Francis, J. B.
Goode, Robert C. J.
Helwig, Gerald V.
Legg, J. H.
Lusby, George R.
McGee, Leonard D.
MacLaren, James I.
Montgomery, B. L.
Morisset, Fernand
Richards, V. L.
Timm, C. R.
ARCHITECTURE
TODAY
Pratt, Robert J.
Taylor, Cyril M.

S.C.M. NOTES

WEDNESDAY
5.00 p.m.—Philosophy of Religion meet with Mr. Brooks in his study for tea.

7.00 p.m.—Cabinet Meeting. Those wishing to have supper at the Hall please inform the office before noon.

THURSDAY
3.00 p.m.—Miss Yeoman's group.

SUNDAY
11.30 p.m.—Dr. James Smyth will preach at the regular Sunday Morning Chapel Service, in Divinity Hall Chapel. All students are invited to take part in these services.

REVUE

22.2 CHORUS
Rehearsals this week today and Friday afternoon in the Ballroom at 5.00 p.m. These will be the last rehearsals before eliminations start on the 20th. Immediately after the mid-term exams, so everyone should be present and on time.

Students' Morals Not Endangered

Palo Alto, Cal.—Stanford students' morals are not endangered by reading frank or risqué books.

Such is the opinion of the Library authorities. No book is forbidden or segregated because of its contents.

An educational institution requires a few overly outspoken books of the type which a public library excludes from its collection. These books cannot be left openly on the shelves, according to Director of Libraries Nathan Van Patten, although "we are not book censors. All the books are for use. But we know something is wrong when 50 or 60 people a week want to read Casanova."

Volumes such as Burton's "Arabian Nights" and Havelock Ellis' "Psychology of Sex" are necessities for some courses. Some hundreds of these so-called "off-color" books are kept in a special bookcase, and are loaned to any student who asks for them.

The purpose of the segregation is

Sweet Essence

Los Angeles, Cal.—"From Black Cathay the caravans went, bearing precious perfumes. Through the silent dawn the camels plodded over the burning Tashdam desert, across the Himalayas and down into the plains of Bharata-varsha. To Babylon and Ur they traveled making the air fragrant with sandalwood and attar. Unto the lotus banks of the Nile they bore the scented cargo — aye, even unto Imperial Rome..."

Through the centuries that perfumes have been used there have grown up legends and stories about its origin and use. Religion has made use of incense to inspire mystical and spiritual thoughts in the minds of its converts.

The Elysian fields, which was the Greek's idea of heaven, were made out of perfume. In the midst of them stood a golden city with ramparts of emerald and gates of cinnamon. About the walls flowed a river of perfumes. 400 cubits in width, and deep enough to swim in, from which rose an odoriferous mist, which enveloped the whole place and shed a refreshing fragrant dew. In the city, too, there were 365 fountains of honey and 500 of the sweetest essences.

Paradise of Musk
Similarly the ground of Mahomet's paradise is made of musk, and the hours that dwell there are made of musk, from head to feet.

The Egyptian priests practiced the manufacture of perfumes as one of their ecclesiastical mysteries, using them in the worship of the gods and in the funeral ceremonies of great kings. It is on record that in a religious procession in the reign of one of the Ptolemies, 120 children marched, bearing incense, myrrh and saffron in golden basins, followed by numerous camels laden with 300 pounds of frankincense, eucalyptus, cassia, cinnamon, and orris.

In Babylon, Assyria, and Persia, there was the same sacred use of perfume, and even the druidesses of ancient Britain crowned their brows with verberna. Kama, the Hindoo god of love, employed perfumes as weapons.

As when we speak of Greece we think first of marble, to say "the East" is to think — perfume; the Perfumed East. And the reason is, of course, that the East was the discoverer of perfume. Its peoples were the first lovers and artists of perfume and its first purveyors to the rest of the world. In the past its merchants from China, Hindustan and Persia, from Babylon and Assyria, moved aromatically across the Arabian desert in caravans laden with balms and spices for the altars of Egypt, and the palaces of Greece and Rome. Babylon was the great clearing house of perfume, gathering into its warehouses the whole perfume harvest of the East, to be distributed by the Phoenician traders through Tyre and Sidon, and Sheba in Arabia Felix, till even such savage borders of the earth as Gaul and Britain were touched with the civilizing breath. In the ruins of Susa and Mippur perfume bottles of glass and alabaster, ointment boxes of porcelain and chalcedony have been unearthed by archaeologists. The pomp of oriental kings expressed itself in nothing so magnificently as in perfume.

Flattered King
"You are a happy man, O king, you smell in a most costly manner," said one of his poor subjects to Antiochus, King of Syria, a remark which so pleased the monarch that he ordered a large ewer of the royal unguent to be poured over the head of his humble, unperfumed admirer.

The fashion of perfume was first introduced into France by crusaders and France has since remained the country of perfume. The kings and queens and court beauties have been queens and patronesses of perfume.

Queen Elizabeth, of England, in whose reign perfumes first became fashionable in London, had her own still-room where she diverted herself with composing her own perfumes. One of her compositions has come down to us — pomatum made from apples, mixed with the fat of a young dog!

Perfume has been paired with love, war and religion since history was first recorded until it has become in itself a veritable altar of all the romantic experiences of humanity. In a little glass vessel charged with the distilled essence of the soul of the Shihraz nightingales, become mysteriously blended, are locked all the perfumed memories of Time.

two-fold. If these books were in the stacks, they would likely be stolen by students who are ashamed to sign for them. Also, aside from moral purposes, the library authorities think it best not to encourage engineering students, for example, to waste their time reading the 25 volumes in the set of Casanova's Memoirs.

Director Van Patten explained "The librarians don't select most of the new books — the teaching staff does. If a professor decides a certain volume is necessary for his class, we buy it for the library. And we consider any book in the library is for the use of the students."

Rare, valuable, and finely-printed books may be read only in the library; a few books of sexual psychology are on permanent reserve by order of the Psychology Department; books sold only for medical use are beyond the discretion of the librarians.

Bound Water Found Constituting Tissues

(Continued from page one)
changes known to occur in normal muscle during stimulation are lactic acid formation and phosphogen break-down. In a muscle which is being stimulated the concentration of osmotic-active substances is, therefore, increased. This rise of osmotic pressure means a fall in the vapour pressure.

Concentration Increased
Prof. A. V. Hill by measuring the decrease in vapour pressure of a muscle when it is being stimulated has obtained some very pertinent results. These tend to show that in a fatigued muscle there is an increase in the concentration of dissolved material, which indicates the production of many new molecules. By calculation from the reactions known to occur he has been able to account for 80 per cent of the increase.

To account for this discrepancy two explanations were advanced. The first assumed that certain chemical reactions took place which had never been observed, and that these gave rise to new molecules to increase the concentration. But since the chemistry of muscular fatigue has been pretty well studied, authorities find it difficult to conceive the form that these reactions might take.

Conceived Bound Water
The second explanation makes use of the conception of "bound" water. This water becomes "inactivated," and the water actually present as a solvent for the osmotically-active substances is decreased, and therefore the concentration is correspondingly increased. This phenomenon is possibly an orientated absorption of dipolar molecules. That is, the molecules of water which are all charged due to the hydrogen and hydroxyl groups, are attracted to the particles in solution, which are also charged.

Various methods were devised for the determination of "bound" water in tissues. Rubner's method makes use of the fact that although the bound water does not "freeze" out at minus 20 degrees, the free water does. The technique consists in keeping the tissue at that temperature for a number of hours, and then placing it in a calorimeter. The amount of heat necessary to bring it to equilibrium is determined, and also the specific heat of dry matter in a similar tissue. From this data the amount of bound water is calculated.

Applied to Insects
Another use of the conception of "bound" water is found in its application to the problem of winter hardiness in insects. He used the pupae of the winter-hardy Telea and the non-hardy granary weevil. The latter can never withstand a temperature of 2 degrees for long. The former during the summer dies at about 0 degrees, but during the winter survives at minus 12 degrees.

Winter-hardy insects during their active state in summer are not resistant to cold and contain little "bound" water. During their winter hibernation they may resist temperatures as low as minus 45 degrees and have up to two-thirds of their water "bound."

Dehydration Not Fatal
Prof. R. A. Gartner interpreted these results as indicating the possibility of removing a very considerable proportion of free water from the living organism without destroying protoplasmic structure. But that when a part of the "bound" water is removed from the lyophilic colloid, the structure is altered and vital functions are interfered with.

Players' Club

There will be a rehearsal tonight at 7 o'clock in the Grill Room. The following are wanted: E. McDougall, Mullar, Grier, Wakefield, Armstrong and Hope.

PRODUCTION MANAGER
The Production Manager will be in the office today from 11 a.m. until 12 noon, and from 5 p.m. until 6 p.m.

EXECUTIVE
The Executive will meet on Thurs. at 4 o'clock.

PRODUCTION COMMITTEE
The Production Committee will meet in the Players' Club Office on Thurs. at 5 o'clock.

BUSINESS COMMITTEE
The Business Committee will meet the Production Committee on Thurs. at 5 o'clock.

GENERAL MEETING
There will be a general meeting of the Players' Club in the Grill Room of the Union on Friday, January 13th, at 5 o'clock.

CONVENERS
Conveners of Committees are requested not to call meetings during the time of the mid-term examinations.

PROPERTIES MANAGER
There is a note for the Properties at the Tuck Shop.

McGill Professor Honored
At the recent Westmount Municipal Elections, Mr. Phillip J. Turner, F.R.I.B.A., I.R.A.I.C., of the School of Architecture and of the McGill Library School, was elected Library Trustee for a period of two years.

Professor Turner to Speak
At the next regular weekly meeting of the Mechanics Institute next Thursday evening, Mr. Phillip J. Turner is to be the speaker. His subject is to be "English Cottages and Cottage Folk." The meeting will commence at eight fifteen.

Faculty Of Arts And Science Mid-Sessional Examinations

January 1933

(Numbers do not indicate years, but the number of the course in the Department.) Examinations will be held:—

FOR WOMEN—in the Royal Victoria College.
FOR MEN—in the Arts Building (unless otherwise stated).
Examinations will begin at 9 A.M. and at 2 P.M.

Monday, January 16th

9 A.M. Chemistry, 3A
Economics, 3
Economics, 9
2 P.M. Ancient History
Latin, 3
Sociology, 3

Tuesday, January 17th

9 A.M. Economics, 5
Geology, 4 (Eng. Bldg.)
Trigonometry, 1 & Adv.
2 P.M. Latin, 11
Economics, 11
Economics, 28
Zoology, 4A

Wednesday, January 18th

9 A.M. Economics, 7
Economics, 14
Mathematics, 5A
2 P.M. English, 1A
English, 14
Mathematics, 1B
Zoology, 5A

Thursday, January 19th

9 A.M. Economics, 2
Economics, 23
French, 5A
Industrial Fluctuations
2 P.M. Botany, 4A
Chemistry, 13 (Eng. Bldg.)
Sociology, 5
Philosophy, 6

*Students must make written applications to the Dean for seats in the English 1A examination, and pay a regular supplemental fee of \$10.00.

Students are warned to verify the dates of their examinations from the official typewritten time table posted on the notice boards in the Arts Building.

The plea of inadvertence or forgetfulness for missing an examination will not be accepted by the faculty.

IMPORTANT NOTICE
Students in the Faculty of Arts and Science will not be given credit for courses and examinations unless they are properly registered for them.

Lists of men students entitled to write the January examinations may be consulted in the Men's Reading Room of the Arts Building.

Lists of women students may be consulted in the Women's Lounge of the Arts Building.

If your name is missing from a list you have not registered for that course. You must correct this at once by going to the Dean's Office. Delay will necessitate a \$10.00 supplemental examination next December.

(Sgd.) Ira A. MacKay
Dean

January 3, 1933.

WHAT'S ON

TODAY
12.45—Dr. Kiang at Rotary Club.
3.00—Hart House String Quartette.
8.15—Dr. Kaufman's Lecture.

TOMORROW
Mock Parliament.

FRIDAY
Treasure Island—Students.
Physical Society.

Scientists Startled

Los Angeles, Cal.—Scientists and geologists were startled when they recently uncovered near Ventura the remains of a huge mammoth believed to have lived millions of years ago. The bones lie under 35 feet of gravel and rock, and extreme care must be taken in removing them piece by piece. Dr. E. L. Furlong, of the Department of Paleontology of the California Institute of Technology, inspected the skeleton and definitely established it as that of a mammoth.

The remains are being moved in sections, and will be reassembled in the Pioneer museum as the property of Ventura county.

Part of the skeleton is fossilized ivory, and the tusks have been recovered almost intact. The body structure has decayed into a porous, chalk-like substance which can be kept together only by great care in handling. The upper part of the skull measures approximately six feet, and the lower jaw reveals huge teeth with grinding surfaces, each the size of a man's doubled fist.

When alive, the mammoth stood 15 feet high with a body correspondingly huge and with immense legs and feet.

"Rehearsals for Peter Pan"

WEDNESDAY, JAN. 11

3—McKay, Boyd, Chapman, Sanborn, McMurtry, Hart, Savage, Schwake, Chadwick, Hill.
4—McMurtry, Hart, Chadwick, Savage, Schwake, Hill.
5—Harvey, Haslett, Wilder, Shearer, McMurtry, Hart, Savage, Schwake, Hill.

Savage, Schwake.

3.00—McDonald, LeClaire, Skinner, Boyd, Chapman, Ross, MacDougall.

4.00—Sanborn, Shearer, Harvey, Haslett, Wilder, lost boys, pirates.

FRIDAY, JAN. 13.
3.00—McKay, Skinner, Chapman, Boyd, McDonald, LeClaire, Ross, MacDougall.

4.00—McKay, Skinner and lost boys.

5.00—McKay, Shearer, Sanborn, pirates and lost boys.

THURSDAY, JAN. 12.

2.30—McKay, Sanborn, Boyd, Chapman, McMurtry, Chadwick, Hart,

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